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COUNTERMINE OFFICE

PROJECT MANAGER

MINES
COUNTERMINE
DEMOLITIONS

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WHO ARE WE? We are the designated responsible organization for the development, acquisition and fielding of US Army Countermine Equipment. Countermine equipment encompasses all materiel required for the detection, neutralization, clearing and marking of land mines and minefields. We are the Countermine focal point for the US Army.

WHAT DO WE DO? We intensely manage individual Countermine projects during advanced development, engineering development, initial production, product improvement and fielding phases of the acquisition process. In addition, we are responsible for the configuration control, integrated logistic support and quality performance of the products we manage. We also maintain cognizance over and suggest direction to the Countermine Technical Base program. The Project Manager maintains US Army coordination with other services and international organizations for Countermine actions.

WHERE ARE WE LOCATED? The countermine office is co-located with the Belvoir Research Development and Engineering Center (BRDEC) area at Ft. Belvoir, Va., 15 miles south of National Airport. See our map on the back page.

WHAT PROJECTS DO WE MANAGE? The office presently manages several product acquisitions. A brief description follows.

MIRADOR: Minefield Reconnaissance and Detector System. This program, presently in the advanced development (6.3) phase, will demonstrate the capability for fusion of multiple sensor data to achieve enhanced mine detection with fewer false alarms on a route mine detector vehicle system. Sensors include short pulse radar, metallic mine detector, infrared and a TV camera for locating surface mines and vehicle operation. A microprocessor processes the data onto a visual screen highlighting individual mine locations.

VEMASID: Vehicle Magnetic Signature Duplicator. In engineering development (6.4), VEMASID projects a magnetic field in front of an armor vehicle that duplicates the magnetic signature of the host vehicle and detonates magnetically fuzed mines at a safe distance in front of the protected vehicle. The system consists of a wave form generator, a coil, and a control box with an on-off switch and diagnostic equipment.

METALLIC MINE DETECTOR: In production, the AN/PSS-12, metallic mine detector, is a proven metal detector with a high detection rate capable of being operated in magnetic soils and all climatic conditions. This detector is a modern version of the AN/PSS-11 that has been in the field for over 25 years.

MICLIC: Mine Clearing Line Charge. MICLIC is a trailer mounted line charge that is capable of defeating all single impulse, pressure fused mines. The system consists of a launcher, a rocket, 1840 lbs. of C-4 linear line charge, an inert (training) line charge that duplicates the HE charge, the M200A1 or M353 trailer and a prime mover such as the M113 or 2 1/2 ton truck. The rocket pulls the sausage-like line charge over the mine field which is then detonated by the operator.

ARMOR COUNTERMINE BATTALION SETS. This program provides the Army with a heavy tank-mounted in-stride breaching capability. A set consists of 4 rollers, 12 blades, 4 Cleared Lane Marking Systems (CLAMS), and associated tank mounting kits. The roller provides a minefield edge detection and a proofing capability with the blade clearing a path thru the minefield. Clams is the marking system that marks the center line of the cleared path with mechanical and chemilluminous markers.

Major National Financial Commitment

- Current program funding in development and production is in excess of $50M.
- Budgeted approximate $400 M + over the next five years.

We are Constantly Seeking Fresh Ideas and New Sources

We are anxious to hear from you about your ideas, capabilities, or anything of mutual interest.

Call or Visit Us

Project Manager:

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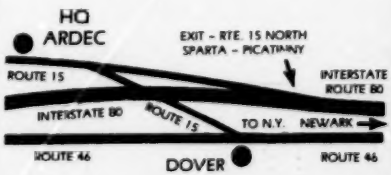
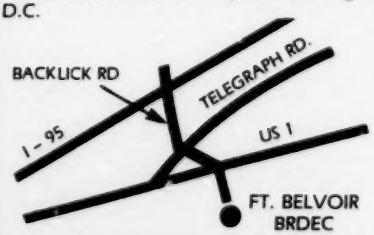
PM-MCD located at ARDEC, NJ Highway 15, on the outskirts of Dover and can be reached from Interstate RT 80 and US RT 46.



Countermine office located at BRDEC, Ft. Belvoir, Virginia approximately 15 miles southwest of National Airport, Washington, D.C.



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